DOMINIC M. MARINO

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COMPUTER SCIENCE STUDIES

August 2001- May 2005   UNIVERSITY OF ROCHESTER, Rochester, NY
Bachelor of Science, Computer Science , with a cumulative GPA of 3.40, received May 2005.
- Dean's List 6 of 8 Eligible Semesters, Bausch and Lomb and Rush Rhees Scholarships
- Completed cluster of three thematic courses addressing the Human Psyche and Personality

September 2005 - Current   COLUMBIA UNIVERSITY, New York City, NY
- Pursuing a Masters Degree in Computer Science, anticipated February 2007 (Studies complete in December 2006)
- Current GPA: 3.0

SELECTED COMPUTER SCIENCE, COMPUTER VISION AND GRAPHICS RELATED COURSES

Computer Programming, Data Structures, Computation and Formal Systems, The Computational Brain, Artificial Intelligence, Undergraduate Problem (Research) Seminar, Foundations of Cognitive Science, Logical Foundations Of Artificial Intelligence, Design and Analysis of Efficient Algorithms, Computer Models and Limitations, Sensory and Motor Systems, Computer Organization, Programming Language Design and Implementation, Deviant Logic, Computer Models and Limitations. Operating Systems, Advanced Computer Graphics, Visual Interfaces to Computers, User Interface Design, Computer Vision

SELECTED COMPUTER SCIENCE AND RESEARCH EXPERIENCE

June - August 2002   United States Army 22nd Area Support Group S-2 and S-3, Vicenza, Italy
Assistant Systems Administrator: Assisted the Chief System Administrator to maintain and upgrade the Computer Network for the 22nd ASG as well as the Transportation Company and Signal Battalion. Installed operating systems and integrated several workstations and servers across the network. Troubleshot and upgraded several workstations. Monitored and stopped virus activity in various locations.

January - May 2003   University of Rochester Computer Science Department
Computer Vision Research Team: Part of a student research team assembled for a research class. Developed and completed a project designed to detect and identify movements and actions of students in various labs using cameras and audio equipment.

January - May 2004   University of Rochester Computer Science Department
Lab Teaching Assistant: Provided lab tutoring and teaching to students enrolled in the Data Structures class. Troubleshot and aided students with programs involving elementary to advanced data structures.

June - August 2004   University of Rochester Computer Science Department
Student Researcher in Computer Vision: Conducted Vision Research under Professor Randal Nelson. Research included development of an object classification and description system using computer vision. Several techniques were explored and tested. Project is being continued by Capt. Andrew Learn of the United States Air Force.

May 2005   University of Rochester Information Technology Services
Service Desk/Technical Support: Attended the help desk at one of the computer labs at the University. Repaired minor printing problems, set up wireless laptops for loan, answered technical support related phone calls.

Jan 2006 - Present   Columbia University Department of Computer Science
Teaching Assistant: Provide teaching assistance to upper level undergraduate and graduate student Artificial Intelligence and Computer Graphics classes. Responsibilities include grading projects, holding office hours, answering student questions and maintaining discussion boards.

Jan 2006 - Present   Columbia University Department of Computer Science, Computer Graphics and User Interfaces Lab
Project Research: Part of a graduate research team developing an electronic field guide for plant identification and classification. The system functions as a standard botanist's field guide, but uses computer vision algorithms to conduct visual searches, increasing efficiency. Project involves designing an intuitive and easy to use interface using the Piccolo package from the University of Maryland.

QUALIFICATIONS

- C, C++, C#, Java, Lisp, MATLAB, OpenGL and HTML programming
- Familiar with Maya and 3DStudioMax modeling environments
- Experience with advanced machine vision and virtual/augmented reality equipment through classes and research.
- Familiar with Windows 2000, NT, XP, UNIX, Linux, and Sun0S environments
- Familiar with various .NET code profilers including ANTS, NProf and the CLR Profiler

- Familiar with networking in Windows XP through installation and maintenance of several home networks
- Proficient with Microsoft Office XP and 2003, as well as Adobe Acrobat and other .pdf and .ps viewers and writers.
- Experience serving with the Military and United States Government during years of living overseas.
- Experience working on large scale projects involving pre-existing libraries and data structures.
- Experience working with teams on research projects involving several types of research and software integration and development.
- Experience in PC repair through tech support and various house calls done throughout college.
- Experience in building PC's through personal interest.
- Experience with Customer Service through employment at the University of Rochester IT desk and The Ederle Inn at Caserma Ederle in Italy.
- Fluent in Italian
- Leadership Experience as the Vice President of Loss Prevention and Risk Manager for the Delta Upsilon International Fraternity, Rochester Chapter

PUBLICATIONS

- White, S., Marino, D., Feiner, S. "LeafView: A User Interface for Automated Botanical Species Identification and Data Collection." ACM Symposium on User Interface Software and Technology (UIST 2006). Montreux, Switzerland. October 15-18, 2006. To Appear.